



# LatinCORR & InterCORR 2023

Experience the Power of Collaboration

**5-8 November 2023**

Windsor Barra Hotel – Rio de Janeiro, Brazil





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# LETTERS FROM THE CHAIRMEN



Dear colleagues,

We are so proud to bring you this comprehensive and collaborative event in Rio de Janeiro! On a personal level, I am pleased to welcome you to this beautiful city and share with you the many plenaries, keynotes, and special sessions planned this week.

The industry is always evolving, and this is an unparalleled opportunity to connect with other materials protection professionals in our region as well as to learn from experts and gain real-world knowledge that will assist your personal and professional development.

As we look forward to the future of energy production, infrastructure updates, and other global changes that affect the assets we protect, please take advantage of the many technical sessions being offered. The two special sessions on the future of AMPP and the importance of labor in training and accreditation programs will help you get the most of your AMPP membership, and the Opening Plenary will inform you on the challenges of transporting and storing hydrogen, which will be highly relevant in coming years.

Each of the keynotes, poster sessions, and plenaries was selected to enhance your knowledge while providing opportunities to connect and collaborate with colleagues who are working alongside you to advance the materials protection industry in Latin America. Get involved this week, and gain value from each one of the posters and technical sessions!

I hope that while you are in the city, you will enjoy the sights and sounds that only Rio de Janeiro can provide. There are many wonderful places to explore near the Windsor Barra Hotel, so please reach out to connect for recommendations and enjoy your time here!

Sincerely,

Leonardo Uller, SURPLUS  
Executive Committee President



Dear colleagues,

Welcome to Rio de Janeiro! We are delighted to be meeting with you at this highly anticipated event. There are many coatings innovations and trends to explore this week, and I look forward to discussing these topics with you in the coming days.

As commercial and industrial asset protection evolves, we are committed to remaining at the forefront of coatings expertise. The sessions that are scheduled this year will keep you up to date on the latest challenges, solutions, and certification programs that can improve your processes and better protect the assets under your care.

There will also be many opportunities to collaborate this week! The Windsor Barra Hotel, and Rio de Janeiro in general, has many remarkable places to meet with colleagues, brainstorm ideas, and share best practices while enjoying incredible food and entertainment.

Use this week to make new contacts, learn new skills, and return home invigorated and ready to implement what you learn here. The Executive Committee has been very excited to bring together this partnership between ABRACO and AMPP. The learning and collaboration we share here will elevate materials protection throughout Latin America.

Enjoy your stay in Rio de Janeiro and I look forward to connecting with you this week!

Sincerely,

Zehbour Panossian, IPT (Instituto de Pesquisas Tecnológicas)  
Executive Committee Vice President (ABRACO)



Dear Colleagues,

It is with great honor and satisfaction that, on behalf of AMPP Brazil Chapter, we welcome you to LatinCORR 2023 in Brazil, Rio de Janeiro, this time together with InterCorr, to join AMPP and ABRACO forces.

We hope to collaborate with our community bringing knowledge, experience and network between members and stakeholders.

This event has a lot to contribute not only in painting and coating, but also in other areas related to integrity of assets with a wide range of subjects and well known professionals in several modalities.

The program was built on several aspects of materials protection and we made big effort to bring specialists with news and interesting abstracts, including from other countries.

We would like to highlight about the special session about the QP (Quality Program) of contractors, which we will have the valuable participation of QP Director together with representatives of big companies as Vale, Braskem and Priner, we hope to reinforce about expectations and benefits of this program.

We are looking forward to meet you and we wish a wonderful stay in our beautiful Rio de Janeiro!

Kind regards,  
Rosileia Mantovani, HEMPEL  
Executive Committee Vice President (AMPP Brazil Chapter)



Technical Committee President  
Neusvaldo Almeida, ABRACO

Neusvaldo Almeida, president of Abraco, is a Physicist from the University of São Paulo and Researcher responsible for the Corrosion and Protection Laboratory of the Technological Research Institute of the State of São Paulo - IPT

# TECHNICAL PROGRAM

SUNDAY, NOVEMBER 5, 2023

## PRE-CONFERENCE EVENTS

15:00 - 19:00	<b>Registration Opens</b> Chambord
17:00- 18:30	<b>Opening Ceremony</b> <b>Opening Remarks &amp; Introductions</b> by Leonardo Uller, Executive Committee President; Zehbour Panossian, IPT, Executive Committee Vice President; Rosileia Mantovani, Hempel, Executive Committee Vice President; Neusvaldo Lira de Almeida, IPT, Technical Committee President <b>AMPP: Generating Today's Value &amp; Innovating for a Sustainable Future</b> Presented by Amir Eliezer, AMPP Board of Directors Chair Petrobras Sponsored Presentation: Presented by Agildo Badaró, Petrobras, Head of Department of Technology & Materials for Corrosion Protection Versailles I
18:30 - 19:30	<b>Opening Cocktail</b> Drinks sponsored by Tinoco Versailles II

MONDAY, NOVEMBER 6, 2023

7:00 - 17:00	Registration Chambord					
11:00 - 19:30	Exhibitor Hall Open Louvre					
8:30 - 9:30	PLENARY LECTURE 1 - HYDROGEN IN THE ENERGY TRANSITION: CHALLENGES FOR MATERIALS IN TRANSPORT AND STORAGE The Challenge for Metals and Alloys in the Transport and Storage Eng.Teresa Perez and Dr.Mariano Kappes Versailles I					
	Session 1 Bandeirantes Corrosion Resistant Alloys	Session 2 Liberdade Pipelines - Internal and External Protection	Session 3 Itamaraty Materials for Oil & Gas, Harsh and Marine Service Conditions	Session 4 Alvorado II Metallic Coatings	Session 5 Alvorado I Organic Coatings	Session 6 Imperial Corrosion and Asset Integrity Management
	Chairman: Ivan Bastos Co-chairman: Jorge Canto	Chairman: Carlos Alexandre Co-chairwoman: Teresa Perez	Chairwoman: Tatiana das Chagas Almeida Co-chairwoman: Merlin C.E. Bandeira	Chairman: Jane Zopas Co-chairman: Giovanni Juzga	Chairwoman: Célia A. L. Santos Co-chairman: Alberto Orostegui	Chairman: Ilson Palmieri Co-chairman: Esteban Amirante
09:30 - 10:00	LAC23-20949 Impact Of Feedstock Recycling On The Corrosion Resistance Of Inconel 625 Processed By L-DED; Presented by: Juliane Ribeiro da Cruz Alves, Instituto Senai de Inovação em Processamento a Laser	LAC23-20366 PAE GSJ MOC External Corrosion Case Study; Presented by: Facundo Lamas & Martin Soto, Pan American Energy S.L	Keynote 1 Presented by: Dra. Merlin Bandeira ( LNDC - COPPE/ UFRJ - RJ, Brazil) - The Impact of Laboratory Methodology Development on Corrosion Tests to Follow up Field Challenges"" "	Keynote 2 Presented by: Christian Canales, Efficiency of Zinc in the Protection of Metallic Structures in the Pulp and Paper Industries	LAC23-20399 Exploring The Potential Of Graphene In Real-Life Industrial Anticorrosive Coatings; Presented by: Xavier Raby, Gerdau Graphene	LAC23-20564 Assessment Of Corrosion In The Secondary Superheater Tubes In A Biomass-Fired Boiler; Presented by: Gustavo Vilela Oliveira, Universidade Federal de Uberlândia
10:00 - 10:30	LAC23-21184 Influence Of Excessive Nitrogen On Sensitization And Hardness Of A Supermartensitic Stainless Steel; Presented by: Anderson Barbosa Furtado, Federal Fluminense University	LAC23-20907 Valas Para Estudos De Contato Em Dutos Não Adequados Para Pigging Onde A Corrosão Não É Encontrada; Presented by: Christian Lorences, IGP SRL			LAC23-20430 Synthesis Of High Solids Alkyds Modified With Reactive Diluents For Encapsulation And Use In Self-Healing Coatings; Presented by: Felipe Nunes, Cepel	LAC23-20321 Lessons To Be Learned From RBI Analysis Performed In 274 Storage Tanks; Presented by: Marcelo Siqueira, PETROBRAS TRANSPORTE S/A
10:30 - 11:00		LAC23-20367 PAE GSJ   Pipeline Cleaning And Conditioning Program Case Study; Presented by: Facundo Lamas & Martin Soto, Pan American Energy S.L			LAC23-20411 Investigation Of The Susceptibility To Preferential Corrosion Of Pipeline Welded Joints; Presented by: Juliana Cardoso, FIPT	
11:00 - 11:30	Coffee Break—Exhibit Hall & Ribbon Cutting Sponsored by De Nora					



11:30 - 12:30	<b>Plenary Lecture 2—The Impact of Impurities on Corrosion and Stress Corrosion Cracking of CO<sub>2</sub> Transport and Injection Infrastructure</b> Dr. Jose Rafael Vera (DNV) Versailles I					
12:30 - 14:00	<b>LUNCH BREAK - Versailles II + Exhibit Hall</b> Sponsored by Zerust					
	<b>Session 1</b> Bandeirantes Corrosion Resistant Alloys	<b>Session 2</b> Liberdade Corrosion and Protection of Concrete Structures	<b>Session 3</b> Itamaraty Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Session 4</b> Alvorado II Metallic coatings	<b>Session 5</b> Alvorado I Organic Coatings	<b>Session 6</b> Imperial Corrosion and Asset Integrity Management
	Chairman: Sérgio Tavares Co-chairman: Jorge Canto	Chairwoman: Juliana Lopes Cardoso Co-chairwoman: Rogaciano Maia Moreira	Chairwoman: Merlin C. E. Bandeira Co-chairwoman: Tatiana Chagas Almeida	Chairwoman: Gabriel Batalha Leoni Co-chairman: Norberto Antonio Pesce Zurbriggen	Chairwoman: Isabel C; P. Margarit-Matos Co-chairwoman: Zehbour Panossian	Chairman: Ilson Palmieri Co-chairman: Carlos Alberto da Silva
14:00 - 14:30	<b>LAC23-21261</b> Comparison Of Nitric Electrolytic Pickling And Nitric Acid Pickling Processes On AISI 430 Stainless Steel; Presented by: Bruna Pinto, Aperam South America	<b>LAC23-20524</b> Carbon Steel Reinforcement Corrosion Resistance Of Concretes With Different Types Of Cements; Presented by: Mariana Rezende, UFSCar	<b>LAC23-20601 CO<sub>2</sub> SCC</b> Testing Of Steel Wires Used In The Tensile Armor Of Flexible Pipes; Presented by: Pedro Netto da Silva, Institute for Energy Technology	<b>LAC23-21267</b> Corrosion Resistance Of Unlacquered Chromium-Plated Steel Sheets - Study On The Influence Of Pickling And Chemical Treatment Steps Of The Production Process; Presented by: Tatiana Almeida, LND/ COPPE/UF RJ	<b>LAC23-20480</b> Development Of A PET Adhesive With Anticorrosive Properties Applied In Coated Carbon Steel; Presented by: Fernando Cotting, UFMG	<b>Keynote 3</b> Presented by: Dr. Esteban Amirante (BEASY -Southampton-UK) Modeling Digital Solutions for Corrosion Control
14:30 - 15:00	<b>LAC23-21151</b> Comparison Between The Corrosion Resistance And Its Mechanisms In The UNS S41003 And The UNS G10100 In Aqueous Sodium Sulfate Diluted With Ph And Chlorides Variation.; Presented by: Adolfo Kalergis Viana, Aperam South America	<b>LAC23-20526</b> Lean Stainless Steel: Searching Durable And Sustainable Structures; Presented by: Mariana Rezende, UFSCar	<b>LAC23-20966</b> Investigation Of The Anodic Potential Influence On CO <sub>2</sub> -SCC Of Carbon Steel Flexible Pipes In Seawater; Presented by: Adriana Barrios, Instituto Nacional de Tecnologia	<b>LAC23-20590</b> Modified Salt Spray Test To Evaluate Zinc Electroplating Coating With Co-Deposited Natural Particles; Presented by: Gabriel Goncalves, Polytechnic School of the University of São Paulo	<b>LAC23-20477</b> Long Term Corrosion Protection - What Do We Really Know?; Presented by: Lars Pedersen, Hempel A/S	
15:00 - 15:30	<b>LAC23-20386</b> Corrosion assessment of laser welded ferritic AISI 441 and austenitic SAE 304 stainless steels; Presented by: Beatriz Lima, Centro Universitário Fundação Santo André	<b>LAC23-20427</b> Study Of The Corrosion Of Reinforced Concrete Reinforced With Synthetic Fibers Using The Electrochemical Noise Technique; Presented by: Alejandro Flores Nicolas, Universidad Autónoma de Estado de Morelos	<b>LAC23-20550</b> Advances In The Characterization Of The Oxide Layers And Corrosion Products In Metallic Materials With Raman Spectroscopy; Presented by: Elaine da Silva, LND/ COPPE/ UFRJ	<b>LAC23-20438</b> Effect Of Cellulose Nanocrystal As An Additive In Zinc Deposition Through Electrodeposition; Presented by: Ana Tábita Barbosa, Universidade Federal da Bahia	<b>LAC23-20546</b> Smart Coatings With The Incorporation Of Imidazole Into Polyelectrolytes Layers Thought Layer-By-Layer; Presented by: Nykolle Fernandes, UFF - Universidade Federal Fluminense	
15:30 - 16:00	<b>LAC23-21066</b> An Analysis Of The Corrosion Behavior Of The Root Surface In Friction Stir Welded UNS S32760 Super Duplex Stainless Steel; Presented by: Guilherme Vacchi, Federal University of São Carlos	<b>LAC23-20424</b> Testing Sodium Silicate As Corrosion Inhibitor For Construction Steel; Presented by: Maria Beatriz Valcarce, INTEMA, UNM dP		<b>LAC23-21264</b> Miniaturization Of The Hard Chrome Plating Process; Presented by: Vanessa Dos Reis, UFRGS	<b>LAC23-20955</b> Use Of Epoxy Ester Resin As A Repair Agent In Direct Application On Coating Defects; Presented by: Andre Koebsch, PETROBRAS	<b>LAC23-20425</b> Digital Transformation Of Corrosion Monitoring In Oil And Gas Industry; Presented by: Heitor Ruschmann, Emerson
16:30 - 17:00	<b>Coffee Break - Exhibit Hall</b> Sponsored by Hita					

# TECHNICAL PROGRAM

17:00 - 17:30	<b>LAC23-21072</b> Advancing The Knowledge Of Corrosion Behavior On The Top Surface Of Friction Stir Welded UNS S32760 Super Duplex Stainless Steel In Acidic And Saline Environments.; Presented by: Guilherme Vacchi, Federal University of São Carlos		<b>LAC23-20400</b> A Test Proposition For Evaluating SCC-CO <sub>2</sub> Failures Of Carbon-Steel Tensile Armours Of Flexible Pipes; Presented by: Tarcisio Henrique Pimentel, IPT		<b>LAC23-21042</b> Painting Robot - Financial And HSE Feedback; Presented by: Andre Koebsch, PETROBRAS	<b>LAC23-20457</b> Overhead Distillation Corrosion Management Based On Process Conditions; Presented by: Daniela Emilia Lopes, Petróleo Brasileiro S.A.
17:30 - 18:00	<b>LAC23-21327</b> Influence of O <sub>2</sub> Concentration and Gap Material on the Crevice Corrosion of D2205 Steel; Presented by: Luis F Dick		<b>LAC23-20543</b> Development Of Experimental Devices And Methodologies To Study Corrosion Problems Related To The Oil And Gas Industry; Presented by: Tatiana Almeida, LNDC   COPPE   UFRJ		<b>LAC23-20440</b> 30 Years Lifetime With No Maintenance Needed In Splash Zones!!!; Presented by: Evandro Martin, Jotun Brasil	
18:00 - 19:30	<b>Exhibitor Reception</b> —Exhibit Hall Drinks sponsored by FIPT					
TUESDAY, NOVEMBER 7, 2023						
7:00 - 17:00	<b>Registration</b> —Chambord					
10:00 - 18:00	<b>Exhibitor Hall Open</b> —Louvre					
8:30 - 9:30	<b>PLENARY LECTURE 3</b> <b>Corrosion Challenges in the Oil and Gas Industry</b> Dr. Álvaro A. Magalhães and Ilson Palmieri (Petrobras) Versailles I					
	<b>Session 1</b> Bandeirantes Corrosion Scaling and Inhibitors	<b>Session 2</b> Liberdade Atmospheric Corrosion (7)	<b>Session 3</b> Itamaraty Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Session 4</b> Alvorado II Metallic coatings	<b>Session 5</b> Alvorado I Organic Coatings	<b>Session 6</b> Imperial Corrosion and Asset Integrity Management
	Chairman: Simone Brasil Co-chairman: Elber Bendinelli	Chairman: Walney Araujo Co-chairwoman: Gislaine Nunes	Chairwoman: Flavia M. F. Guedes Co-chairman: Carlos Alberto da Silva	Chaiworman: Anna Ramus Co-chairwoman: Letícia Vitorazo	Chairwoman: Isolda Costa Co-chairman: Flavio Vieira Vasques	Chairman: Carlos Alexandre Co-chairwoman: Elaine Felix
09:30 - 10:00	<b>LAC23-19928</b> Corrosion Mitigation Properties Of Xanthone Derivatives As Novel And Efficient Corrosion Inhibitors For P110 Steel In Acidizing Fluid: Experimental And Theoretical Studies; Presented by: Ambrish Singh, Nagaland University - Nagaland, India	<b>LAC23-20447</b> Atmospheric Corrosion Process In Train Catenary Components In Sections Of Industrial Zone.; Presented by: Francisco Heredia Moreno, CORROSION Y PROTECCION SA de CV	<b>LAC23-20436</b> Corrosion In Multiphase-Flow Pipelines; Presented by: Carlos Alberto da Silva, IPT	<b>Keynote 4</b> Presented by: Dr. Gustavo Romero Urdaneta (PENSPEN -Mexico) Corrosion of the Buried Section of Photovoltaic Piles of Galvanized Steel Structures – Case Study and Possible Solutions	<b>LAC23-20515</b> Protection Of Underwater Structures With Epoxy Based Phenalkamine Coating; Presented by: Pedro Hita, HITABELZONA	<b>LAC23-20460</b> Offshore And Onshore Assets Corrosion Management Program; Presented by: Felipe Scheidl, Zerust Prevenção de Corrosão Ltda
10:00 - 10:30	<b>LAC23-20533</b> On The Inhibition Efficiency Of Different Imidazole-Based Green Corrosion Inhibitors - Insights From Raman Spectroscopy And Electrochemical Techniques; Presented by: Elaine da Silva, LNDC/ COPPE/UFRJ	<b>LAC23-20390</b> Zinc Galvanized Steel'S Behavior After Accelerated Tests That Used High Chloride Ions Concentration; Presented by: Egnalda Pimenta, USIMINAS	<b>LAC23-20534</b> Can Small Scale Laboratory Test Help On Corrosion Management Of Flexible Pipes?; Presented by: Merlin Bandeira,		<b>LAC23-20585</b> Self-Healing Epoxy Coating Under Immersion In Saline Solution By Using Dual Component Microcapsules; Presented by: Mariel Amparo Fernandez Aramayo, Polytechnic School of the University of São Paulo	<b>LAC23-20433</b> Influence Of Fine Solids In Chemical Treatments In Up Stream Operations.; Presented by: Francisco Heredia Moreno, QUIMIPAC



10:30 - 11:00	<b>LAC23-20403</b> Corrosion Behavior Of Carbon Steel In NaCl In The Presence Of Halloysite Nanotubes Loaded With Quaternary Imidazoline Based Inhibitor; Presented by: Mayara Silva, Polytechnic School, University of Sao Paulo		<b>LAC23-20505</b> Corrosion Study Of Degradable Plugs For Non-Return Valves In Simulated Production Water; Presented by: Silvia Cere, INTEMA-University of Mar del Plata-CONICET	<b>LAC23-21054</b> Development Of Oxalate-Based Layers For Temporary Protection Of Ndfeb Magnets; Presented by: Célia Lino dos Santos, IPT	<b>LAC23-21136</b> Tecnologia De Re-Galvanização Por Filme Com Elevado Teor De Zinco Metálico (RFETZM); Presented by: Marco Fabio Ramenzoni, ZINGA METALL BRASIL	<b>LAC23-20681</b> Evaluation Of Ph And Oxygen Control Contributions To Mitigate The Internal Corrosion In Iron-Ore Slurry Pipeline; Presented by: Lorena Hudson, Anglo American
11:00 - 11:30	<b>Coffee Break</b> - Exhibit Hall Sponsored by InduMar					
11:30 - 12:00	<b>LAC23-20462</b> Application Of Volatile Corrosion Inhibitors To Protect Insulated Pipelines Against Corrosion Under Insulation; Presented by: Felipe Scheidl, Zerust Prevenção de Corrosão Ltda		<b>LAC23-20537</b> Study Of Corrosion Of ABNT/AISI 1020 Steel In Surfactant Waterflooding Scenario; Presented by: Jean Ferrari, University of Sao Paulo State - Department of Mine and Petroleum Engineering		<b>LAC23-20539</b> Anticorrosive Coating Made By Red Ceramic Industrial Waste; Presented by: David Coverdale Rangel Velasco, UENF	<b>LAC23-20299</b> H <sub>2</sub> S Scavenger Laboratory Methodology, Performance Data, And The Development Of Combination Products; Presented by: Jody Hoshowski, SLB
12:00 - 12:30	<b>LAC23-20965</b> Performance And Mechanism Of Organic Molecules Derived Of β-Amino Acrylate As Corrosion Inhibitors For Carbon Steel In Hydrochloric Acid Solution; Presented by: Eduardo Ponzio, Federal Fluminense University		<b>LAC23-21285</b> A Methodology Guideline For CO <sub>2</sub> Stress Corrosion Cracking In Small-Scale Tests; Presented by: Vanessa Dreilich, FMC Technologies		<b>LAC23-20540</b> Eco Friendly Anti Corrosive Coating Using Coconut Husk Agroindustry Waste as Filler; Presented by: David Coverdale Rangel Velasco, UENF	<b>LAC23-20484</b> Ethanol Stress Corrosion Cracking In A Biofuel Storage System; Presented by: Vanesa Casariego, Pan American Energy SL Sucursal Argentina
12:30 - 13:00	<b>LAC23-21170</b> Selenocyanates And Selenotetrazoles Derivatives: A Detailed Experimental And Theoretical Evaluation As Corrosion Inhibitors For Mild Steel In Aggressive Environment; Presented by: Eduardo Ponzio, Federal Fluminense University		<b>LAC23-21272</b> Metallurgical Evaluation And Failure Analysis Of A 12-Inch Pipe Section Of A Recirculation Line; Presented by: Margarita Hidalgo, Productec Peru SRL		<b>LAC23-20441</b> Self-Healing Capacity Evaluation Of Epoxy Resin Containing Microcapsules Filled With Oils Of Different Polyunsaturated Fatty Acids Composition; Presented by: Santiago Flores, Pontificia Universidad Católica del Perú	<b>LAC23-20486</b> Failure Analysis On Regenerator Amine Tower; Presented by: Vanesa Casariego, Pan American Energy SL Sucursal Argentina
13:00 - 14:00	<b>LUNCH BREAK Versailles II + Exhibit Hall</b>					
	<b>Session 1</b> <i>Bandeirantes</i> Corrosion Scaling and Inhibitors	<b>Session 2</b> <i>Liberdade</i> Atmospheric Corrosion	<b>Session 3</b> <i>Itamaraty</i> Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Session 4</b> <i>Alvorado II</i> Metallic coatings	<b>Session 5</b> <i>Alvorado I</i> Organic Coatings	<b>Session 6</b> <i>Imperial</i> Corrosion and Asset Integrity Management
	Chairman: Ladimir José de Carvalho Co-chairwoman: Gislaine Nunes	Chairman: Walney Silva Araújo Co-chairwoman: Roberta Bastos Vasques	Chairwoman: Flávia Maciel Fernandes Guedes Co-chairman: Carlos Alberto da Silva	Chairwoman: Anna Ramus Co-chairwoman: Letícia Vitorazo	Chairwoman: Rosileia Mantovani	Chairman: Carlos Alexandre Co-chairwoman: Elaine Felix
14:00 - 14:30	<b>LAC23-21097</b> Quinoline Derivatives As Corrosion Inhibitors For Mild Steel In Acid Medium: Deeper Insights From Experimental, Ab Initio DFT Modeling, And In Silico Ecotoxicity Investigations; Presented by: Eduardo Ponzio, Federal Fluminense University		<b>LAC23-20972</b> Effect Of Chromium On Corrosion Resistance Of Oil Tube Steels In A Carbon Dioxide Corrosion System; Presented by: William Villamizar, Ecopetrol S.A		<b>LAC23-21309</b> Comparative Analysis Of Aging Effects On Blistering Resistance Of Viton And NBR Polymers; Presented by: Rodrigo Garcia, LND/COPE/UFRI	<b>LAC23-20490</b> A Procedure To Avoid Polythionic Acid Stress Corrosion Cracking In Hydrotreating Units; Presented by: Murilo F. Leal, Petrobras


# TECHNICAL PROGRAM

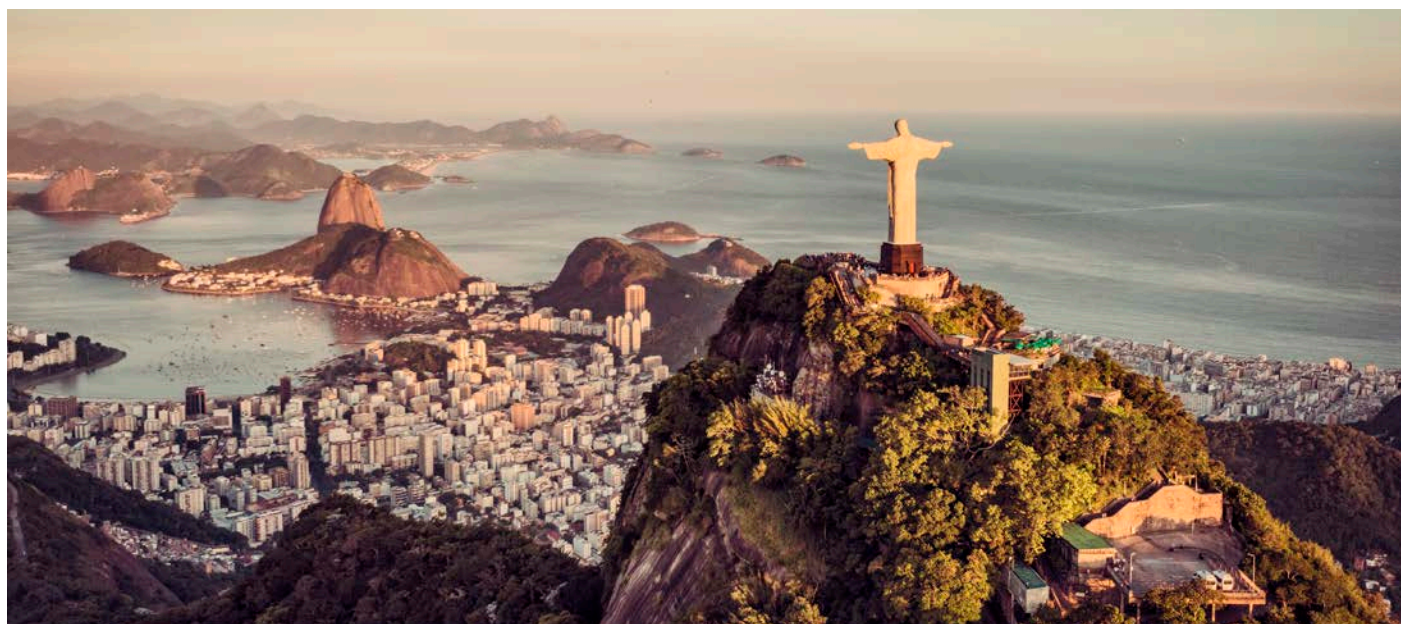
14:30 - 15:00	LAC23-21110 Experimental And Theoretical Evaluation Of The Anticorrosive Proprieties Of New 1,2,3- Triazolyl-Acridine Derivatives; Presented by: Eduardo Ponzio, Federal Fluminense University				LAC23-21315 Issues About Smart Particles And Smart Coatings; Presented by: Isabel Mattos, LNDC/COPPE/UFRJ	LAC23-20530 Predicting Corrosion Rate in Oil Wells Using First Principles and Machine Learning; Presented by: Francisco Heredia Moreno, PUNGO SOLUTIONS
15:00 - 16:30	Special Session - Dave Evans (AMPP) - The Importance of Labor in Companies Training and Accreditation Programs Panel Discussion: The Importance of Labor in Companies Training and Accreditation Programs Panelists: Dave Evans, AMPP; Bernardo Rocha, VALE; Alan Colavolpe, BRASKEM; Tulio Cintra, PRINER; Joaquim Quintela, PETROBRAS					
	Versailles I					
16:30 - 18:00	POSTER SESSION & COFFEE BREAK Exhibit Hall Coffee sponsored by Allema					
18:00 - 20:00	Social Cocktail —El Pardo					
WEDNESDAY, NOVEMBER 8, 2023						
7:00 - 12:00	Registration—Chambord					
9:30 - 12:30	Exhibitor Hall Open—Louvre					
8:30 - 9:30	PLENARY LECTURE 4 Protective Coatings: Providing Sustainability before Sustainability was a Thing David Hunter (Hempel) Versailles I					
	Session 1 Bandeirantes Corrosion Scaling and Inhibitors  Chairman: Ladimir José de Carvalho Co-chairman: Walney Araújo	Session 2 Liberdade Biocorrosion  Chairwoman: Márcia T. S. Luttherbach Co-chairwoman: Gislaine Nunes	Session 3 Itamaraty Electrochemistry  Chairman: Luis F. P. Dick Co-chairman: Lucas B. Souto	Session 4 Alvorado II Cathodic and Anodic Protection  Chairman: João Paulo Klausning Co-chairman: Gustavo Romero Urdaneta	Session 5 Alvorado I Organic Coatings  Chairwoman: Rosileia Mantovani Co-chairman: Fernando Cotting	Session 6 Imperial Corrosion and Asset Integrity Management  Chairman: Álvaro A. O. Magalhães Co-chairman: Fabian Sánchez
09:30 - 10:00	LAC23-21264 Miniaturization Of The Hard Chrome Plating Process; Presented by: Vanessa Dos Reis, UFRGS	LAC23-20527 Use Of UV-C Radiation As An Alternative To Biocide Treatments And Its Effect On Biofilms; Presented by: Diogo Coutinho, Instituto Nacional de Tecnologia	LAC23-20511 Validation Between The Evaluation Of Corrosion Inhibitors In The Laboratory Through RPL And EIS With Results Obtained From Offshore Well Monitoring.; Presented by: Francisco Heredia Moreno, CORROSION Y PROTECCION	LAC23-20328 Maximizing Inspection Efficiency In Onshore Pipelines: Pipeline Inspection Using The Combined CIPS & DCVG Method; Presented by: Marcus Nunes, First Fischer Construções eireli	LAC23-20568 Novel Activated Zinc Primers For Harsh And Marine Environments; Presented by: Jose Fernandes, Pinturas Hempel SAU	LAC23-20553 SIGCO (Corrosion Management Information System): Platform For Managing Corrosion Processes And Integrity In Oilfield Facilities; Presented by: Giovanni Juzga Leon, Corporación para la Investigación de la Corrosión
10:00 - 10:30	LAC23-20463 Corrosion Mitigation Of Soil Side Bottom Of Aboveground Storage Tanks (AST) Utilizing Volatile Corrosion Inhibitor; Presented by: Felipe Scheidl, Zerust Prevenção de Corrosão Ltda	LAC23-21041 Effect Of Temperature On The Microbiologically Influenced Corrosion In Carbon Steel (AISI 1020) Under Static Condition; Presented by: Gislaine Nunes, IPT Institute for Technological Research	LAC23-21124 Characterization Of In Situ Preferential Weld Corrosion In Low-Conductivity Sweet Corrosion Media For Subsea Pipelines Using SVET And Immersion Tests; Presented by: Juliana Cardoso, FIPT	LAC23-20488 CP Modeling Of Floating Production Structures; Presented by: Sami Abu-Zahra, Deepwater Corrosion Services	LAC23-21138 Poliaspartic Coating for Offshore Environments; Presented by: Diovana Ockner, WEG TINTAS	LAC23-21299 Analyzing Performance Differences Between Spark Gaps And DC Decouplers In Over-Voltage Applications; Presented by: Tony Castillo, Dairyland Electrical Industries

10:30 - 11:00	<b>LAC23-20536</b> New Green Corrosion Inhibitors With High Potential For Use In Oil Production Fields; Presented by: Jéssica da Cunha , UFRJ	<b>LAC23-20529</b> Corrosion Tests Of The Biocide 2,2-Dibromo-3-Nitropropionamide BNDPA In Metal Alloys Used For The Manufacture Of Instrumentation Piping; Presented by: Luan Santos, Universidade Federal de São João del Rei	<b>LAC23-20520</b> In Order To Understand The Propagation Of Pits Inside The Pipelines, The Experiments Must Approach The In Situ Conditions. In This Sense, From The Point Of View Of Fluid Dynamics, The Standardized Rotating Cage Model Presents A Non-Uniform Distribution Of Shear Stresses On The Faces Of The Samples.; Presented by: Rhuan Costa Souza, Universidade Federal de São João Del Rei	<b>LAC23-20587</b> Bonding Parallel Pipelines With Different Types Of Coating To Improve Cathodic Protection Systems And Avoid Interferences And Shielding: The Brazilian Approach; Presented by: Joao Paulo Gervasio, PETROBRAS	<b>LAC23-21312</b> Aspects Related To Thermal Insulation Paints; Presented by: Flavio de Sousa, LNDG/COPPE/UFRJ	
11:00 - 11:30	<b>COFFEE BREAK</b> - Exhibit Hall Sponsored by AkzoNobel					
					<b>Corrosion Under Insulation</b>  Chairman: Neusvaldo Lira de Almeida Co-chairwoman: Anna Ramus	
11:00 - 11:30	<b>LAC23-21087</b> Efficient Corrosion Inhibition Of Carbon Steel By Chalcone Derivatives; Presented by: Eduardo Ponzo, Federal Fluminense University	<b>LAC23-20428</b> Evaluation Of Polymeric Coatings For MIC Problems In OCTG; Presented by: Sandra Gómez de Saravia, CIDEPIINT & Monica Zapponi, TENARIS	<b>LAC23-21153</b> Feasibility Of A Developed Electrochemical Minicell To In Situ Evaluation Of Degree Of Sensitization On Heat Affected Zone In Supermatenstic Stainless Steel Welded With Superduplex Filler Metal; Presented by: Anderson Furtado, UFF	<b>LAC23-20381</b> La Importancia De Los Sistemas De Protección Catódica En La Conservación De La Integridad Mecánica De Los Muelles En Los Terminales Petroleros Peruanos; Presented by: Gonzalo Talavera, SERMABU	<b>LAC23-20434</b> Advances In Insulation Coatings; Presented by: David Hunter, Hempel (USA)	<b>LAC23-21118</b> Influence Of A Curved Section On The Corrosion Rate Of A Closed-Loop Circulation System; Presented by: Anna Moreira, IPT Institute for Technology Research
11:30 - 12:00	<b>LAC23-20464</b> Coffee Leaves Dried Extracts As Green Inhibitors For Carbon Steel In Acid Medium; Presented by: Lilian Senna, UERJ	<b>LAC23-20558</b> Strategy For The Control Of Microbiologically Influenced Corrosion In Water Injection Systems; Presented by: Giovanni Juzga Leon, Corporación para la Investigación de la Corrosión	<b>LAC23-21328</b> Pit Nucleation on Hard TiN Inclusions of Strained Super Martensitic 13Cr Steel; Presented by: Lucas B. Souto, UFRGS	<b>LAC23-20397</b> Catching The Polarized Potential: An Analysis Of The Off Measurements And Importance Of Coupons; Presented by: Ivano Magnifico, Automa S.r.l.	<b>LAC23-20593</b> CUI Protection According To ISO 19277; Presented by: Evandro Martin, Jotun Brasil	<b>LAC23-20547</b> Development Of Machine Learning Methodology That Include The Interaction Of Various Corrosion Processes; Presented by: Franci Daniele Gaensly, Petrobras
12:00 - 12:30		<b>LAC23-20888</b> Electrochemically Active Biofilm On AISI 1020 Steel And Its Corrosion Potential; Presented by: Vitor Liduino, Federal University of Rio de Janeiro		<b>LAC23-20479</b> Special Considerations for Cathodic Protection Design in Deepwater Offshore Structures; Presented by: Jorge Canto Ibanez, Corrosion y Protección Sa de Cv	<b>LAC23-20429</b> Experience in CUI Management on Coastal-Areas Facilities; Presented by: Jhonattan Barrueta, Pan American Energy	<b>LAC23-20482</b> External Corrosion Detection For Process Equipment With AI; Presented by: Suchet Bargoti, Abyss Solutions
12:30 - 14:00	<b>LUNCH BREAK</b> - Lunch on your own					



# TECHNICAL PROGRAM

	Session 1 Bandeirantes Corrosion Scaling and Inhibitors	Session 2 Liberdade Biocorrosion		Session 4 Alvorado II Cathodic and Anodic Protection	Session 5 Alvorado I Corrosion Under Insulation	Session 6 Imperial Corrosion and Asset Integrity Management
	Chairman: Ladimir José de Carvalho Co-chairman: Walney Araújo	Chairwoman: Márcia T. S. Luttherbach Co-chairwoman: Gislaine Nunes		Chairman: João Paulo Klausing Co-chairman: Jorge Canto	Neusvaldo Lira de Almeida Co-chairwoman: Anna Ramus	Chairman: Álvaro A. O. Magalhães Co-chairman: Carlos Alberto da Silva
14:00 - 14:30	<b>LAC23-20405</b> Study Of Protic Ionic Liquids As Sustained Corrosion Inhibitors For Mild Steel In Saline Solution With Acidic Ph And Temperature Variations.; Presented by: Caio Victor Pascoal, UFC-Federal University of Ceará	<b>LAC23-20498</b> Unity Makes Strength: A Multidisciplinary Approach To Study Microbial Corrosion; Presented by: Ignacio Vargas, Pontificia Universidad Católica de Chile		<b>LAC23-21308</b> Desarrollo De Un Sistema De Monitoreo En Tiempo Real Para La Protección Catódica En La Industria De Oil&Gas; Presented by: Sergio Pinzón Gomez , CIC	<b>LAC23-20320</b> Using Transmission Lines For Corrosion Analysis Of Metallic Pipes: A Proof Of Concept; Presented by: Renato Bittencourt, Vidya Technology	<b>LAC23-21305</b> Pipeline Integrity Operation Windows For The Energy Transition; Presented by: Rafael Rengifo, Becht
14:30 - 15:00	<b>LAC23-20445</b> Synthesis And Investigation Of Sulfur/Nitrogen Doped Carbon Dots As Corrosion Inhibitors For Mild Steel In CO <sub>2</sub> Saturated Saline Medium; Presented by: Carlos Henrique Queiroz, Universidade Federal do Ceará			<b>MEETING CE-043-000-003 - Cathodic Protection Standardization Committee ABRACO/ABNT</b>	<b>LAC23-20506</b> How Good Are High Solids Epoxy Coatings At Helping To Prevent Corrosion Under Insulation (CUI)?; Presented by: David Morton, Hempel A/S	<b>LAC23-21307</b> Evaluation Of The Influence Of Niobium On The Mechanical Properties, Hydrogen Permeation And Stress Corrosion Cracking Of API 5L X70 Steels; Presented by: Matheus Gonçalves, UFRJ
15:00 - 15:30					<b>LAC23-21324</b> Low Thermal Conductivity Coatings For Thermal Barrier And CUI Prevention; Presented by: Thiago Rezendez, RESIMAC Brazil	
15:30 - 16:00	<b>Closing Ceremony</b> Versailles I					



TUESDAY, NOVEMBER 7, 2023

16:00-17:30	POSTER SESSION	
POSTER	TITLE / AUTHORS	
LAC23-20492	Organic Coatings	<b>Epoxy-Silica Nanocomposites Modified With Ce(III) And Ce(IV) Ions Applied As Anti-Corrosion Coatings With Self-Healing Action</b> Presented by: Adriana de Almeida, Instituto de Química / UNESP
LAC23-20516	Organic Coatings	<b>The Anticorrosive Behavior Of Jarosite As A Pigment In Organic Coatings</b> Presented by: Barbara Aroeira, Universidade Federal de Minas Gerais, UFMG
LAC23-20549	Organic Coatings	<b>Study And Comparison Of Superhydrophobic Coatings Obtained In AA5052 With Different Fatty Acids</b> Presented by: Maria Malta, UFPE
LAC23-20555	Organic Coatings	<b>Effect Of Photoluminescence Of Nanomaterials To Verify Corrosion In Carbon Steel</b> Presented by: Daniel Girão, NUTEC
LAC23-21003	Organic Coatings	<b>Investigation Of The Effect Of Anticorrosive Pigments In An Epoxy System For Protection Of Ndfeb Magnets</b> Presented by: Ana Campista, Universidade Federal do Rio de Janeiro
LAC23-21205	Organic Coatings	<b>Formulation And Characterization Of An Anticorrosive Paint Using Pigments Of Niobium Pentoxide, Zinc And Magnetite</b> Presented by: Vinícius José Costa, Universidade Federal do Rio de Janeiro
LAC23-20459	Organic Coatings	<b>Polyaspartic Technology For The Next Level Of Corrosion Protection</b> Presented by: Ana Paula Cardoso, Covestro
LAC23-20478	Organic Coatings	<b>Development Of A Varnish Incorporated With PET To Be Applied In Stainless Steel;</b> Presented by: Brunela Silva, UFMG
LAC23-20563	Organic Coatings	<b>Development of Na Epoxy-Silane Coating with Garlic Peel Powder Corrosion Inhibitor Applied on SAE 1008 Carbon Steel</b> Presented by: Matheus Pessoa, UFMG
LAC23-21007	Metallic coatings	<b>Evaluation of pH and Cathodic Rotation for Electrodeposition of Ni-Mo Alloy</b> Presented by: Giancarlo Dias, Universidade Estadual de Campinas
LAC23-20489	Metallic coatings	<b>Obtaining And Characterization Of Super-Hydrophobic Zinc Films On ASTM A36 Steel By Electrodeposition</b> Presented by: Giuliana Salgueiro, UFPE
LAC23-20545	Metallic coatings	<b>Lyophilized Extracts Of Ristretto Espresso Ground Coffee Waste As A Green Additive To Cu-Zn Electrodeposition Baths</b> Presented by: Lilian Senna, UERJ
LAC23-20528	Metallic coatings	<b>Development Of Corrosion-Resistant Superhydrophobic Nanocomposite Coatings Of Nickel Stearate And Multi-Walled Carbon Nanotubes Obtained By The Electrodeposition Process</b> Presented by: Jedaías da Silva, UFPE
LAC23-20394	Conversion Coatings	<b>Silane Film Modified With SBA-15 Loaded With Cocoa Husk Extract As Pretreatment Of ASTM 1008 Steel</b> Presented by: Iago Silva, State University of Santa Cruz
LAC23-20544	Conversion Coatings	<b>Effect Of Substrate Preparation And The Conversion Coating On The Corrosion Resistance In Ringer's Solution Of 304L Stainless Steel Coated With Alumina Film</b> Presented by: Lilian Senna, UERJ
LAC23-20437	Conversion Coatings	<b>Application Of Yttrium Oxide Nanoparticles Produced By The Pechini Method On The Surface Of Grey Cast Iron As A Protective Method Against High Temperature Oxidation</b> Presented by: Rodrigo Helleis, Federal University of Paraná
LAC23-20509	Conversion Coatings	<b>Corrosion Resistance Performance Of AA2198-T851 Anodized And Sealed After Intermetallics Removal Pretreatment</b> Presented by: Bruno Nogueira, Instituto de Pesquisas Energéticas e Nucleares - IPEN
LAC23-20976	Conversion Coatings	<b>Analysis Of Multicolored Niobium Anodic Coating As A Substitute For Coins And Medals Coatings</b> Presented by: Thalles de Moraes, UFRJ
LAC23-21012	Conversion Coatings	<b>Study About The Use Of Atenolol And Zr Nanoceramic Coatings On Aluminum AA2024-T3 Alloy Surfaces And Their Impact On Corrosion Protection And Painting Adhesion Performances</b> Presented by: Kimberllyn Pereira, Universidade Federal do Rio Grande do Sul
LAC23-20446	Conversion Coatings	<b>Improvement Of Silane Coatings Using Corrosion Inhibitors</b> Presented by: Lilian Senna, UERJ

# POSTER SESSION

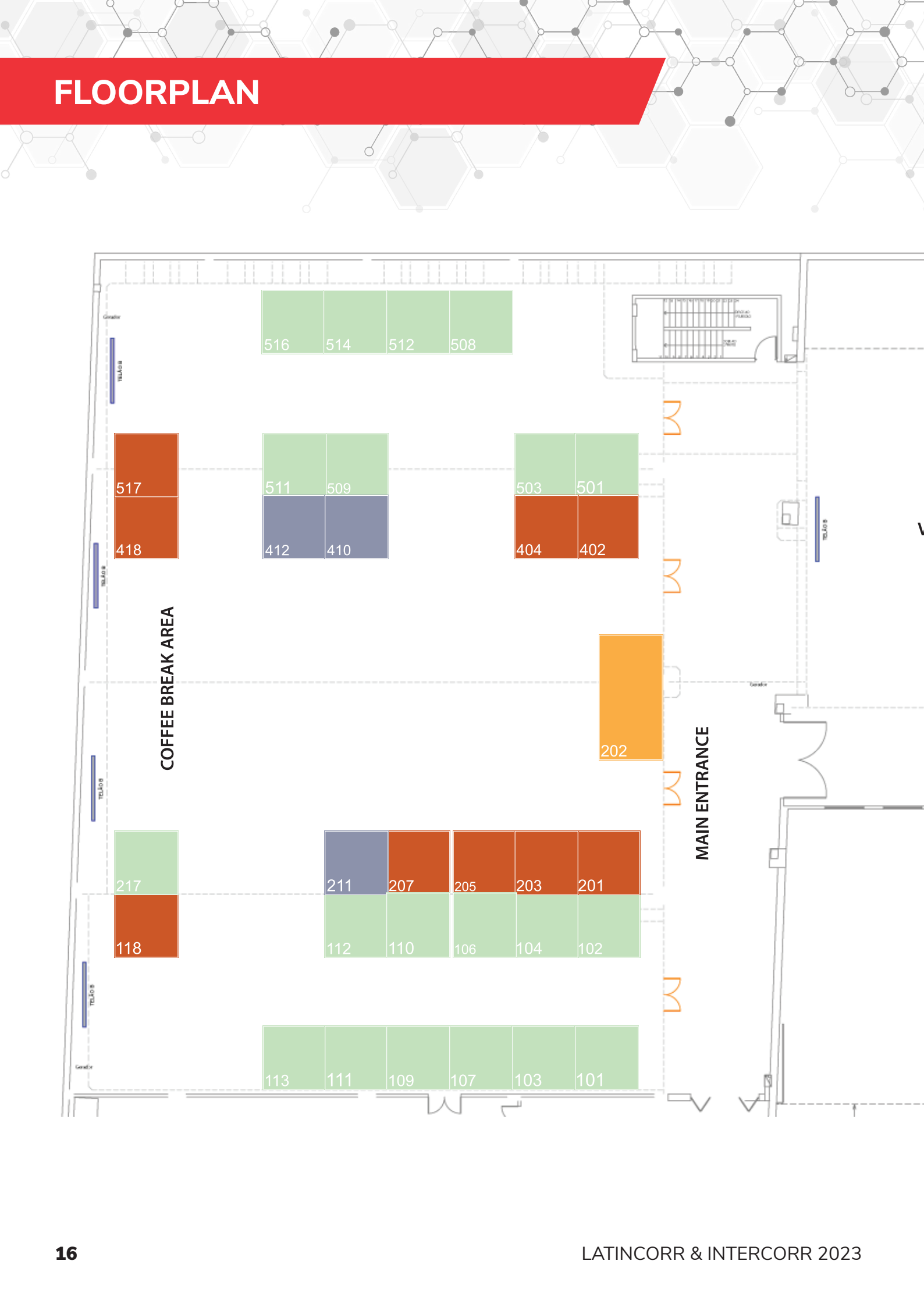
LAC23-20544	Conversion Coatings	<b>Effect Of Substrate Preparation And The Conversion Coating On The Corrosion Resistance In Ringer's Solution Of 304L Stainless Steel Coated With Alumina Film</b> Presented by: Lilian Senna, UERJ
LAC23-20545	Conversion Coatings	<b>Lyophilized Extracts Of Ristretto Espresso Ground Coffee Waste As A Green Additive To Cu-Zn Electrodeposition Baths</b> Presented by: Lilian Senna, UERJ
LAC23-20521	Conversion Coatings	<b>Assessment Of The Alternative Conversion Coating To Cr(VI)</b> Presented by: Barbara Mathias de Souza, University of São Paulo
LAC23-20469	Atmospheric Corrosion	<b>Incorporacion De Glicidoxipropiltrióxido En La Protección De Acero Galvanizado Y Galvanneal Expuesto En Servicio</b> Presented by: Sandra Gómez de Saravia, CIDEPIINT
LAC23-21222	Atmospheric Corrosion	<b>Atmospheric Corrosion: Challenges And Opportunities For The Development Of Metallic Structures Resistant To Environmental Degradation On The Coast Of The State Of Ceará</b> Presented by: Daniel Girão, Núcleo de Tecnologia e Qualidade Industrial do Ceará
LAC23-20504	Biocorrosion	<b>Physical-Chemical Characterization Of A Dystroferic Yellow Latosol To Use As An Electrolytic Medium In A Microbiologically Induced Corrosion Study</b> Presented by: Luís Gustavo Santos, Universidade Estadual de Santa Cruz
LAC23-20517	Biocorrosion	<b>Evaluation Of Steel Biocorrosion With Codeposition Of Garlic Husk Particles In Zinc Electrodeposition</b> Presented by: Luís Gustavo Santos, State University of Santa Cruz
LAC23-20532	Biocorrosion	<b>Soil Corrosivity Under Natural Attenuation</b> Presented by: Larissa da Silva, UFPE
LAC23-20418	Corrosion and Protection of Concrete Structures	<b>Anticorrosive Coating Of Propolis Extract On CA-50 Carbon Steel Reinforcement</b> Presented by: Gerusa Lima Alves, State University of Santa Cruz
LAC23-20406	Corrosion Scaling and Inhibitors	<b>Effect Of CO<sub>2</sub> Addition In The Evaluation Of Protic Ionic Liquids As Corrosion Inhibitors</b> Presented by: Gabriele Da Silva, UFC- Federal University of Ceará
LAC23-20497	Corrosion Scaling and Inhibitors	<b>Comparison Of The Efficiency Of Murumuru And Andiroba As Corrosion Inhibitors In Carbon Steel In An Acid Medium</b> Presented by: Gustavo Soares, State University of Santa Cruz
LAC23-20518	Corrosion Scaling and Inhibitors	<b>Extracto Acuoso De Menta Como Inhibidor De La Corrosión Del Acero SAE1010</b> Presented by: Sandra Gómez de Saravia, CIDEPIINT
LAC23-20538	Corrosion Scaling and Inhibitors	<b>Study On The Use Of N,N'-Methylenebisacrylamide As A Corrosion Inhibitor Of A 1020 Steel</b> Presented by: Kesia Ribeiro, IME
LAC23-20560	Corrosion Scaling and Inhibitors	<b>Aminophosphonic Acids As Corrosion Inhibitors For Carbon Steel Applied In The Oil Industry</b> Presented by: Larissa Araujo Carvalho, UFRJ
LAC23-20561	Corrosion Scaling and Inhibitors	<b>Use Of Aminophosphonic Acids As Scaling Inhibitors In Synthetic Produced Water Medium</b> Presented by: Victor Hugo Rego, UFRJ
LAC23-21065	Corrosion Scaling and Inhibitors	<b>Development Of Corrosion Inhibitor From Broccoli Waste For 1 M HCl</b> Presented by: Ricardo Silva, Universidade Federal do Rio de Janeiro
LAC23-21216	Corrosion Scaling and Inhibitors	<b>Study Of Pitting Formation On Stainless Steel 316L Using Aminophosphonic Acids As Corrosion Inhibitors</b> Presented by: Pedro Henrique Rodrigues, UFRJ
LAC23-21059	Corrosion Scaling and Inhibitors	<b>Evaluation Of The Efficiency Of The White Tea Extract As A Natural Corrosion Inhibitor For Carbon Steel</b> Presented by: Alessandra Monteiro, UFF
LAC23-21202	Corrosion Scaling and Inhibitors	<b>Evaluation Of The Corrosivity Of Synthetic Water For Reuse On Carbon Steel</b> Presented by: Maliu Rosa
LAC23-20645	Corrosion Scaling and Inhibitors	<b>Study Of The Efficiency Of The Amino Acid L-Histidine As Corrosion Inhibitor Of Carbon Steel 1018, In Aerated And De-Aerated Saline Solution Saturated With CO<sub>2</sub></b> Presented by: Milena Moura, Universidade Federal Do Ceará
LAC23-20417	Electrochemistry	<b>Experimental Approach Via Linear Sweep Voltammetry For The Detection Of Sigma Phase In Duplex Stainless Steels: Effect Of The Increase Of Viscosity In The Electrolytic Solution</b> Presented by: Elan Forteski, Federal University of Paraná
LAC23-20514	Electrochemistry	<b>Analysis Of The Evolution Of Electrochemical Impedance Behavior Of Nickel/Nickel Myristate Superhydrophobic Coatings On ASTM A36 Steel Obtained By Electrodeposition</b> Presented by: Walter Silva, Universidade Federal de Pernambuco

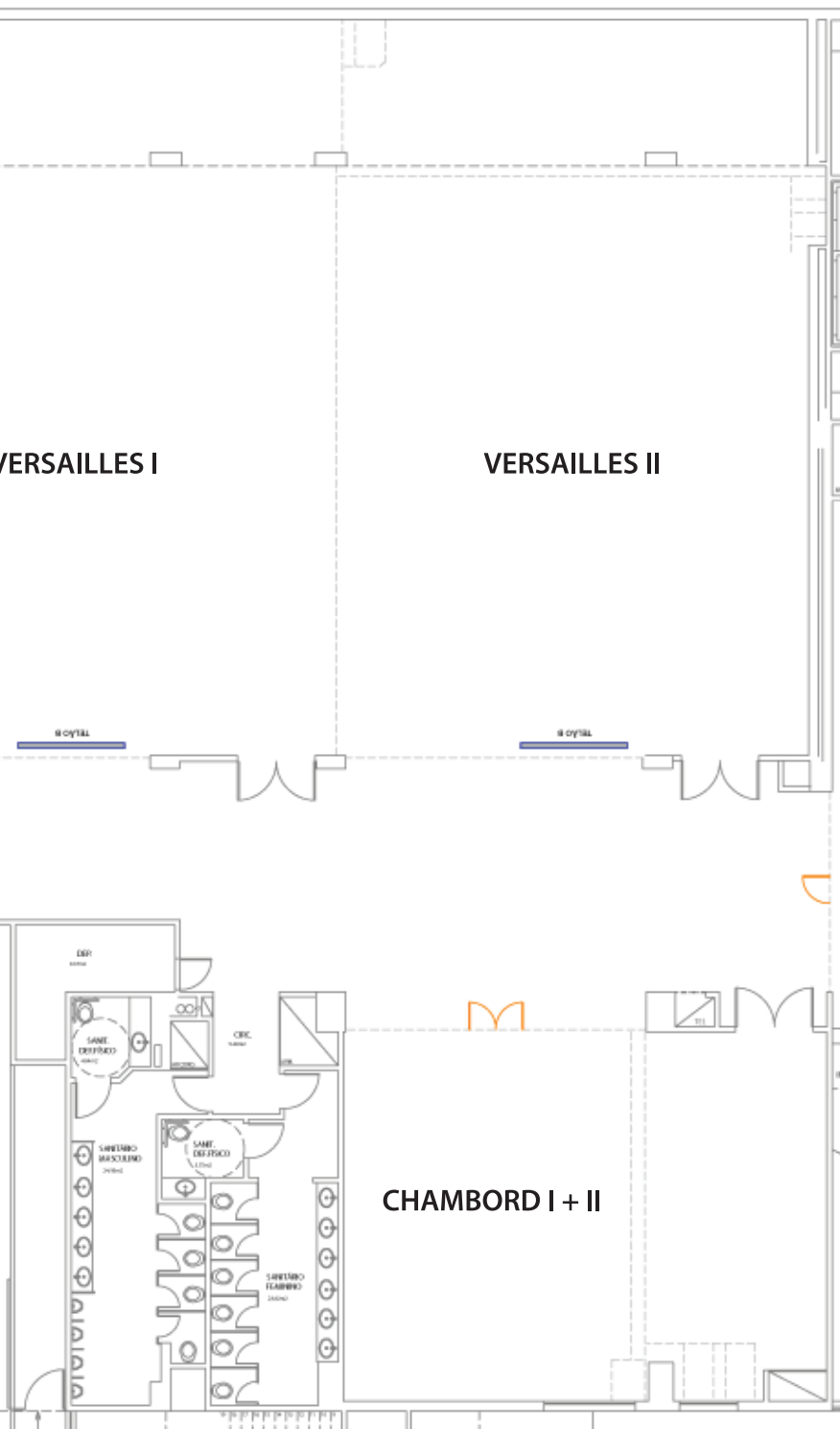


LAC23-21130	Electrochemistry	<b>Use Of Impedance Spectroscopy In The Study Of Composite Systems Based On Post-Consumer PET Powder And Commercial Epoxy Resin</b> Presented by: Jorge Da Silva Filho, Instituto Federal De Alagoas - Campus Marechal Deodoro-Al
LAC23-21139	Electrochemistry	<b>Analysis Of The Microstructure, Microhardness And Electrochemical Corrosion Behavior Of A Multicomponent Nb-ti-zr Alloy For Application In Orthopedic Implants</b> Presented by: Carla Oliveira, Universidade Federal de São Carlos
LAC23-21140	Electrochemistry	<b>Using An Optimized Linear Sweep Voltammetry In Alkaline Medium To Quantify Deleterious Phases In A UNS S39274 Super Duplex Stainless Steel</b> Presented by: Marcelo de Sampaio, UFF
LAC23-21197	Electrochemistry	<b>Study To Evaluate The Aluminum Alloy Present In Parts Of Washing Machines;</b> Presented by: Malu Rosa
LAC23-21337	Electrochemistry	<b>Desenvolvimento De Eletrodo De Disco Rotatório Para Testes Em Ambientes Pressurizados</b> Presented by: Felipe Assunção, LND/COPPE/UF RJ
LAC23-20499	Electrochemistry	<b>Evaluation Of Corrosion Processes Due To Electrochemical Noise Of Carbon Steel In A Pre-Salt Injection System</b> Presented by: Rodrigo Schwitzner, Universidade Federal do Paraná
LAC23-21119	Materials for Cleaner and Renewable Energy	<b>Tin Dioxide-Based Photoanodes Integrated Into The Dye Sensitized Solar Cells Structure</b> Presented by: Daniel Girão, Núcleo de Tecnologia e Qualidade Industrial do Ceará
LAC23-20556	Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Assessment Of Saline Water And Diesel Oil Wettability On Nanometric Coatings Of AA5052 Aluminum For Anticorrosive And Liquid Separation Applications In The Oil And Gas Industry;</b> Presented by: Maria Malta, UFPE
LAC23-20494	Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Simulation Of Stress And Strain In A U-Bend Sample</b> Presented by: Ivan Bastos, UERJ
LAC23-20551	Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Corrosion Performance of APO 5L X80 Steel in Glycerol Solution and the Impact of Temperature on Electrochemical Properties</b> Presented by: Renata Carvalho
LAC23-20972	Materials for Oil & Gas, Harsh and Marine Service Conditions	<b>Effect Of Chromium On Corrosion Resistance Of Oil Tube Steels In A Carbon Dioxide Corrosion System</b> Presented by: William Villamizar, Ecopetrol S.A
LAC23-20542	Corrosion Resistant Alloys - CRA	<b>Corrosion Resistance Of Ti-6Al-4V Implants Exposed To Different Fluorine Concentrations</b> Presented by: Kesia Ribeiro, IME
LAC23-20927	Corrosion Resistant Alloys - CRA	<b>Evaluation Of Corrosion Resistance For Different Temperatures Of High Manganese Steel With Distinct Cold Deformations</b> Presented by: Yara Amorim de Figueiredo, Universidade Federal do Ceará
LAC23-21129	Corrosion Resistant Alloys - CRA	<b>Effect Of KOH Concentration In Deleterious Phases Quantification In A SAF 2707 Hyper Duplex Stainless Steel Using Linear Sweep Voltammetry</b> Presented by: Marcelo de Sampaio, Universidade Federal do ABC (UFABC)
LAC23-20502	Corrosion and Asset Integrity Management	<b>Microstructural Differences and Corrosion Resistance of AA6061 Used in Nuclear Research Reactors;</b> Presented by: Wanessa Barboza, Instituto de Pesquisas Energéticas e Nucleares
LAC23-20944	Corrosion and Asset Integrity Management	<b>Effects Of Silicon Content On Mass Variation And Surface Morphology Of Low-Alloy Steels Oxidized At High Temperatures</b> Presented by: Guilherme Costa, UENF
LAC23-21172	Corrosion and Asset Integrity Management	<b>An Investigation Of The Corrosion Rate Of Mg Alloys In Hank'S Solution</b> Presented by: Thiely Ferreira da Silva, Universidade de São Paulo
LAC23-20862	Corrosion and Asset Integrity Management	<b>Internal Corrosion Monitoring Systems - Enhanced Safety Through Innovation</b> Presented by: Roland Anderson, Axxess-Corrosion, Inc
LAC23-21095	Corrosion and Asset Integrity Management	<b>Galvanizing In Mining - Protection, Sustainability And Economy</b> Presented by: Camile Theodoro, Nexa Resources
LAC23-21197	Corrosion and Asset Integrity Management	<b>Study To Evaluate The Aluminum Alloy Present In Parts Of Washing Machines</b> Presented by: Malu Rosa, UFRJ

A decorative background featuring a repeating pattern of light gray hexagons and interconnected lines with small circles, resembling a molecular or network structure. A prominent red banner with a white border is positioned horizontally across the middle of the image. The word "FLOORPLAN" is written in white, bold, uppercase letters on the red banner.

# FLOORPLAN





## EXHIBITORS

AkzoNobel (418)  
 Alleima (205)  
 American Carbon Company (503)  
 ANODOPRO (516)  
 Automa s.r.l. (102)  
 Becht (207)  
 Borin Manufacturing, Inc. (104)  
 Chess Solutions (508)  
 CTQFF – Centro de Treinamento e Qualificação Fernando Fragata (512)  
 Dairyland Electrical Industries (501)  
 De Nora do Brasil Ltda (201)  
 Deepwater Corrosion Services (113)  
 GP Isolamentos Mecanicos LTDA (509)  
 Hempel USA (202)  
 HITA Comercio e Servicos (402)  
 HITA Comercio e Servicos (404)  
 ICZ INSTITUTO DA CADEIA DO ZINCO (112)  
 INSPENET (517)  
 Jotun (211)  
 LGE REVESTIMENTOS (107)  
 Lindsay Corporation (110)  
 MONTIPOWER Brasil (514)  
 PGPI ASSET INTEGRITY ENGENHARIA LTDA. (103)  
 PROSERV (203)  
 QUIMATIC TAPMATIC (101)  
 Resimac Brasil (111)  
 Rezzolut (106)  
 TEAM do Brasil (109)  
 Tinoco Anticorrosao LTDA (217)  
 W&S SAURA LTDA (511)  
 WEG Tintas (412)  
 Zerust Prevencao de Corrosao Ltda (410)



# POLICIES & PROCEDURES

## Code of Ethics

### THE FUNDAMENTAL PRINCIPLES

Members uphold and advance the integrity, honor, and dignity of the members' profession by:

- Using their knowledge and skill for the enhancement of human welfare.
- Being honest and impartial, and serving with fidelity the public, their employers, and clients.
- Striving to increase the competence and prestige of the materials protection and performance profession.

### THE FUNDAMENTAL CANONS

1. Uphold the safety, health, and welfare of the public in the performance of their professional duties.
2. Represent areas of competence and build reputation based on merit of services.
3. Strive for continuous professional development and foster development of others in field.
4. Serve in professional matters for AMPP, employer, and/or client as faithful agents or trustees and shall avoid conflicts of interest.
5. Members shall associate only with reputable persons or organizations.
6. Members shall issue public statements only in an objective and truthful manner.
7. Act with integrity and honesty in all professional endeavors and be forthcoming with concerns of unethical behaviors.
8. Foster behaviors of respect, value diversity of our members, staff, partners, customers, and suppliers, and strive to promote recognition and participation by individuals regardless of differences.
9. Harassment, including but not limited to cultural, religious, or sexual, by or against any employee, member, officer, director, or other volunteer, vendor, or customer; and such conduct will not be permitted or condoned.

## Anti-Harassment Policy

AMPP is committed to providing an environment free of sexual harassment (which includes harassment based on gender, pregnancy, childbirth, or related medical conditions), as well as harassment based on such factors as race, color, religion, national origin, ancestry, age, physical disability, mental disability, medical condition, marital status, sexual orientation, gender identity, gender expression, workers' compensation leave, veteran status, or any other condition or characteristic protected by law. We expect

all participants to abide by this Anti-Harassment Policy in all venues at LatinCorr & InterCorr 2023, including ancillary events and official and unofficial social gatherings.

- Exercise consideration and respect in your speech and actions.
- Refrain from demeaning, discriminatory, or harassing behavior and speech. Be mindful of your surroundings and of your fellow participants.
- Alert AMPP staff if you notice harassment. If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact Lesley Martinez at +1 832-651-7229 on-site immediately.


## Alcohol and Drug Policy

AMPP and the AMPP Global Center are committed to the health and well-being of its staff, members, customers, event participants, and vendors. This Policy addresses the availability and consumption of alcoholic beverages at AMPP affiliated events. Those who choose to drink alcoholic beverages at AMPP- affiliated events are expected to do so legally and in moderation and are expected to act responsibly and behave professionally.

The sale or distribution of alcoholic beverages at any AMPP affiliated event must be conducted through a licensed provider. Non-alcoholic beverages are required at all affiliated events at which alcohol is served. Alcohol should cease being served to allow for safe consumption before the designated time for close of the function. Non-alcoholic beverages may remain available at this time. Advertisements shall not highlight the availability of alcohol at any affiliated event. Advertising shall not promote consumption of alcohol.

International Communities are not covered under AMPP insurance programs and should conform to all applicable regulations. Appropriate insurance coverage is recommended. Those international Communities not explicitly covered under AMPP insurance programs must indemnify and hold harmless AMPP for any and all sponsored events where alcohol is distributed and consumed. For all affiliated events where alcohol is available, the sponsoring group will endeavor to establish agreements establishing reciprocal indemnification and hold harmless responsibilities and insurance requirements with the venue.

Any member, sponsor, vendor or exhibitor at an affiliated event wishing to sell or distribute alcohol must conform to this Policy and any other directives made by AMPP staff.



The use of alcoholic beverages or other controlled substances by any member, sponsor, vendor or exhibitor at an AMPP affiliated event shall comply with federal, state, and local laws. Members, staff, vendors and customers at AMPP affiliated events shall conform to this Policy and all other applicable policies, including, but not limited to, the Code of Ethics and Health, Safety, and Risk Management, current versions of which are incorporated herein by reference.

Individuals who violate this Policy may be subject to the disciplinary procedures, including, but not limited to, suspension or loss of membership, disbarment from future AMPP affiliated events and/or other sanctions as deemed appropriate. Communities or other AMPP affiliates who violate this Policy may be subject to the disciplinary procedures, including, but not limited to, suspension or loss of affiliation, disbarment from future affiliated events and/or other sanctions as deemed appropriate by the Association or Center Board of Directors. Violations of this Policy may be addressed by the Association or Center Board of Directors or the Ethics and Professional Practice Committee, at its sole discretion.

### **Minor Policy**

Children under the age of 15 are not permitted at Central Conference. Children over the age of 15 must be registered as guests and always wear badges while in the convention center. To accommodate nursing mothers, the following will apply:

1. Nursing infants will be allowed in the Exhibit Hall during show hours only and must always be carried by a registered AMPP attendee either in his or her arms or in a front baby carrier (NO STROLLERS PERMITTED). Everyone who attends the exhibition must be registered and have a badge. Badges for minors 15 and older are free and available on site at the registration desk. Minors between 15 and 18 years of age must be accompanied by an adult at all times. Guardians are asked to help maintain a professional, disturbance-free exhibition environment.
2. Meetings and technical presentations: To provide all AMPP attendees an optimal learning environment, minors and guests are not permitted in technical presentations. Those attending these sessions must be registered for the conference and show the appropriate badge.

### **Mobile Phone Policy**

As a courtesy to the speakers and your fellow attendees, please turn off all mobile phones during meetings and sessions.

### **Consent to Use of Photographic Images, Audio and Video Recordings**

AMPP may elect to take photographs and/or make audio and visual recordings of the event, and participants grant to AMPP the absolute right and permission to use any such photographs or recordings that may be taken during the event for any purpose in its sole discretion.

Attendees, exhibitors, and visitors to the Conference are not permitted to make audio or video recordings of sessions, presentations, activities, or other events unless expressly so authorized by AMPP and the subjects of the recording.

### **Right to Deny or Remove**

We reserve the right to deny registration or admission to or remove any party from the conferences, at our sole discretion.

### **WiFi is available in the Exhibit Hall:**

Network name: **latincorr**

Password: **intercorr**



# ENERGY TO LEAD A FAIR **TRANSITION**

*With new projects, such as setting up an offshore windfarm along the Brazilian coast, we are steering our journey towards a fair energy transition.*



**PETROBRAS** 70 anos

